

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number  
**WO 2004/007598 A1**

(51) International Patent Classification<sup>7</sup>: **C08J 9/30, C08K 3/36, A61F 13/15, A61L 15/60, 15/18**

(21) International Application Number:  
PCT/EP2003/007228

(22) International Filing Date: 7 July 2003 (07.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/395,317 12 July 2002 (12.07.2002) US

(71) Applicant (for all designated States except US): **BASF AKTIENGESELLSCHAFT** [DE/DE]; ., 67056 Ludwigshafen (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHAMP, Samantha** [GB/DE]; Luitpoldstrasse 114 B, 67063 Ludwigshafen (DE). **HÄHNLE, Hans-Joachim** [DE/DE]; Böhlackerstr. 27, 67435 Neustadt (DE). **WANIOR, Mariola** [DE/DE]; Vogelsbergstr.58, 63526 Erlensee (DE).

(74) Common Representative: **BASF AKTIENGESELLSCHAFT**; ., 67056 LUDWIGSHAFEN (DE).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **USE OF WATER-ABSORBENT, PREDOMINANTLY OPEN-CELLED CROSSLINKED ACID-FUNCTIONAL ADDITION POLYMER FOAMS IN HYGIENE ARTICLES**

(57) Abstract: Use in hygiene articles of articles formed of water-absorbent, predominantly open-celled crosslinked acid-functional addition polymer foams. Abstract: The use of articles formed of water-absorbent open-celled crosslinked acid-functional addition polymer foams and containing finely divided silicon dioxide and/or at least one surfactant on their surface as an acquisition and/or distribution layer in hygiene articles.

WO 2004/007598 A1